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RAW SEQUENCE LISTING DATE: 03/25/2003
PATENT APPLICATION: **US/09/925,641** TIME: 12:39:42

Input Set : **A:\06275-265001.TXT**
Output Set: **N:\CRF4\03252003\I925641.raw**

<110> APPLICANT: Cresswell , Carl John
Dudley, Adam Jeston
<120> TITLE OF INVENTION: CHEMICAL COMPOUNDS
<130> FILE REFERENCE: 06275-265001
<140> CURRENT APPLICATION NUMBER: US 09/925,641
<141> CURRENT FILING DATE: 2001-08-10
<150> PRIOR APPLICATION NUMBER: US 60/233,624
<151> PRIOR FILING DATE: 2000-09-13
<150> PRIOR APPLICATION NUMBER: GB 0020544.3
<151> PRIOR FILING DATE: 2000-08-22
<160> NUMBER OF SEQ ID NOS: 16
<170> SOFTWARE: FastSEQ for Windows Version 4.0
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
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<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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<210> SEQ ID NO: 3
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<212> TYPE: DNA
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<223> OTHER INFORMATION: Primer
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agaggcgacc attgg 15
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<212> TYPE: DNA
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<220> FEATURE:
<223> OTHER INFORMATION: Primer
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/925,641

DATE: 03/25/2003
TIME: 12:39:42

Input Set : A:\06275-265001.TXT
Output Set: N:\CRF4\03252003\I925641.raw

67 cccatagatg gtcgg 15
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 15
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Primer
77 <400> SEQUENCE: 5
78 attcacccac agagg 15
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 15
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Primer
88 <400> SEQUENCE: 6
89 caacatctat actgg 15
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 15
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Primer
99 <400> SEQUENCE: 7
100 caatgacatg tatgg 15
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 15
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Primer
110 <400> SEQUENCE: 8
111 taaggctctc tagag 15
113 <210> SEQ ID NO: 9
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115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Primer
121 <400> SEQUENCE: 9
122 cttaccaata gcctg 15
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125 <211> LENGTH: 15
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Primer
132 <400> SEQUENCE: 10
133 gtgtctagaa cagcc 15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/925,641

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TIME: 12:39:42

Input Set : A:\06275-265001.TXT
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<400> SEQUENCE: 12
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<210> SEQ ID NO: 13
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<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13

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cccaaatcaa ttactgtctt cttcaaagag attgaaggta tattccatgc caccaccagc 180
gaagtgtcat ggatatcctc cataatgttg gctgtcatgt atggtggagg tcctatcagc 240
agtatcctgg tgaataaata tggaagtcgt atagtcatga ttgttggtgg ctgcttgtca 300
ggctgtggct tgattgcagc ttctttctgt aacaccgtac agcaactata cgtctgtatt 360
ggagtcattg gaggtcttgg gcttgccttc aacttgaatc cagctctgac catgattggc 420
aagtatttct acaagaggcg accattggcc aacggactgg ccatggcagg cagccctgtg 480
ttcctctgta ctctggcccc cctcaatcag gttttcttcg gtatctttgg atggagagga 540
agctttctaa ttcttggggg cttgctacta aactgctgtg ttgctggagc cctcatgcga 600
ccaatcgggc ccaagccaac caaggcaggg aaagataagt ctaaagcatc ccttgagaaa 660
gctggaaaat ctggtgtgaa aaaagatctg catgatgcaa atacagatct tattggaaga 720
caccctaaac aagagaaacg atcagtcttc caaacaatta atcagttcct ggacttaacc 780
ctattcaccc acagaggctt tttgctatac ctctctggaa atgtgatcat gtttttgga 840
ctctttgcac ctttggtgtt tcttagtagt tatgggaaga gtcagcatta ttctagtgag 900
aagtctgcct tccttctttc cattctggct tttgttgaca tggtagcccg accatctatg 960
ggacttgtag ccaacacaaa gccaataaga cctcgaattc agtatttctt tgcggcttcc 1020
gttgttgcaa atggagtgtg tcatatgcta gcacctttat ccactaccta tgttggattc 1080
tgtgtctatg cgggattctt tggatttgcc ttcgggtggc tcagctccgt attgtttgaa 1140
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gtggaatgct gtcctgtcct cctggggcca ccacttttag gtcggctcaa tgacatgtat 1260
ggagactaca aatacacata ctgggcatgt ggcgtcgtcc taattatttc aggtatctat 1320
ctcttcattg gcatgggcat caattatcga cttttggcaa aagaacagaa agcaaacgag 1380
cagaaaaagg aaagtaaaga ggaagagacc agtatagatg ttgctgggaa gccaaatgaa 1440
gttaccaaaa cagcagaatc tccggaccag aaagacacag aaggagggcc caaggaggag 1500
gaaagtccag tctgaatcca tggggctgaa gggtaaattg agcagttcat gacccaggat 1560
atctgaaaat attctactgg cctgtaatct accagtggtg ctcaatgcaa atagtagaca 1620
tttgtgtgga aatcatacca gttgttcatt gatgggattt ttgtttgact ccttaccaat 1680

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PATENT APPLICATION: **US/09/925,641** TIME: 12:39:42

Input Set : **A:\06275-265001.TXT**
Output Set: **N:\CRF4\03252003\I925641.raw**

```
191 agcctgaatt tgaggaggga atgattggta gcaaaggatg ggggaaagaa gtaggttctg    1740
192 ttttgttttg ttttaatctt agcttttaat agtgtcataa agattataat atgtgcctta    1800
193 agttttagtc tttagaactc tagagagcct taacttctta aaccattttt gctgaattca    1860
194 tctatttcga gtgttgtgtt aaaaggaaaa ataacaacta acttgtttga ggcaaatcta    1920
195 aaatttaaaa ttaatcttgc ttcattgtta catgtaatat atttcagaca ttttcactgg    1980
196 aagatttatg aacagaaata ttggttgaaa gttagagatt ttacaaaatg ctgacaaaaa    2040
197 tattttccta gcatcagtag atttctggca tatgtttctg ctagctatat atttaggaaa    2100
198 ttcaaagcat aaaactttgg caacatcttg gctgttctag acacagtgta cttgtcaacc    2160
199 cctctcaggt acctttttctt gggatgctta ttagaagcca agtaaagtgc ttaaggtttg    2220
200 ttttcattaa attagctatt tctgctcccc tgttcaaaga tgcattttga gtgtttatag    2280
201 atcactgccc tttttgaaat cacctggtat tatttttctt actggaaaag ttagtattaa    2340
202 aatctacaga actacatatt tgtgcctcct tggtaaatac aacacatcta attaaatgta    2400
203 gacagatatt tcaaacatca gctgaattca cttaagtttt tccaaaacct cagttaaact    2460
204 gtgaagctat tggaattttt ttttcctgga atttttcccc tttgattcac agtggtccca    2520
205 tttatatctg cttctagctt agtgctatgt gtgagatatg tgtgtgtttg gtgttttt      2578
207 <210> SEQ ID NO: 14
208 <211> LENGTH: 500
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 14
213 Met Pro Pro Ala Val Gly Gly Pro Val Gly Tyr Thr Pro Pro Asp Gly
214  1               5                  10                  15
215 Gly Trp Gly Trp Ala Val Val Ile Gly Ala Phe Ile Ser Ile Gly Phe
216             20                  25                  30
217 Ser Tyr Ala Phe Pro Lys Ser Ile Thr Val Phe Phe Lys Glu Ile Glu
218         35                  40                  45
219 Gly Ile Phe His Ala Thr Thr Ser Glu Val Ser Trp Ile Ser Ser Ile
220     50                  55                  60
221 Met Leu Ala Val Met Tyr Gly Gly Gly Pro Ile Ser Ser Ile Leu Val
222 65                  70                  75                  80
223 Asn Lys Tyr Gly Ser Arg Ile Val Met Ile Val Gly Gly Cys Leu Ser
224                 85                  90                  95
225 Gly Cys Gly Leu Ile Ala Ala Ser Phe Cys Asn Thr Val Gln Gln Leu
226             100                 105                 110
227 Tyr Val Cys Ile Gly Val Ile Gly Gly Leu Gly Leu Ala Phe Asn Leu
228         115                 120                 125
229 Asn Pro Ala Leu Thr Met Ile Gly Lys Tyr Phe Tyr Lys Arg Arg Pro
230     130                 135                 140
231 Leu Ala Asn Gly Leu Ala Met Ala Gly Ser Pro Val Phe Leu Cys Thr
232 145                 150                 155                 160
233 Leu Ala Pro Leu Asn Gln Val Phe Phe Gly Ile Phe Gly Trp Arg Gly
234                 165                 170                 175
235 Ser Phe Leu Ile Leu Gly Gly Leu Leu Leu Asn Cys Cys Val Ala Gly
236             180                 185                 190
237 Ala Leu Met Arg Pro Ile Gly Pro Lys Pro Thr Lys Ala Gly Lys Asp
238         195                 200                 205
239 Lys Ser Lys Ala Ser Leu Glu Lys Ala Gly Lys Ser Gly Val Lys Lys
240     210                 215                 220
241 Asp Leu His Asp Ala Asn Thr Asp Leu Ile Gly Arg His Pro Lys Gln
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RAW SEQUENCE LISTING DATE: 03/25/2003
PATENT APPLICATION: **US/09/925,641** TIME: 12:39:42

Input Set : **A:\06275-265001.TXT**
Output Set: **N:\CRF4\03252003\I925641.raw**

```
242 225                 230                 235                 240
243 Glu Lys Arg Ser Val Phe Gln Thr Ile Asn Gln Phe Leu Asp Leu Thr
244                 245                 250                 255
245 Leu Phe Thr His Arg Gly Phe Leu Leu Tyr Leu Ser Gly Asn Val Ile
246             260                 265                 270
247 Met Phe Phe Gly Leu Phe Ala Pro Leu Val Phe Leu Ser Ser Tyr Gly
248         275                 280                 285
249 Lys Ser Gln His Tyr Ser Ser Glu Lys Ser Ala Phe Leu Leu Ser Ile
250     290                 295                 300
251 Leu Ala Phe Val Asp Met Val Ala Arg Pro Ser Met Gly Leu Val Ala
252 305                 310                 315                 320
253 Asn Thr Lys Pro Ile Arg Pro Arg Ile Gln Tyr Phe Phe Ala Ala Ser
254                 325                 330                 335
255 Val Val Ala Asn Gly Val Cys His Met Leu Ala Pro Leu Ser Thr Thr
256             340                 345                 350
257 Tyr Val Gly Phe Cys Val Tyr Ala Gly Phe Phe Gly Phe Ala Phe Gly
258         355                 360                 365
259 Trp Leu Ser Ser Val Leu Phe Glu Thr Leu Met Asp Leu Val Gly Pro
260     370                 375                 380
261 Gln Arg Phe Ser Ser Ala Val Gly Leu Val Thr Ile Val Glu Cys Cys
262 385                 390                 395                 400
263 Pro Val Leu Leu Gly Pro Pro Leu Leu Gly Arg Leu Asn Asp Met Tyr
264                 405                 410                 415
265 Gly Asp Tyr Lys Tyr Thr Tyr Trp Ala Cys Gly Val Val Leu Ile Ile
266             420                 425                 430
267 Ser Gly Ile Tyr Leu Phe Ile Gly Met Gly Ile Asn Tyr Arg Leu Leu
268         435                 440                 445
269 Ala Lys Glu Gln Lys Ala Asn Glu Gln Lys Lys Glu Ser Lys Glu Glu
270     450                 455                 460
271 Glu Thr Ser Ile Asp Val Ala Gly Lys Pro Asn Glu Val Thr Lys Thr
272 465                 470                 475                 480
273 Ala Glu Ser Pro Asp Gln Lys Asp Thr Glu Gly Gly Pro Lys Glu Glu
274                 485                 490                 495
275 Glu Ser Pro Val
276             500
278 <210> SEQ ID NO: 15
279 <211> LENGTH: 22
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Primer
286 <400> SEQUENCE: 15
287 ctccggacca gaaagacaca gc                                        22
289 <210> SEQ ID NO: 16
290 <211> LENGTH: 20
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Primer
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VERIFICATION SUMMARY DATE: 03/25/2003
PATENT APPLICATION: **US/09/925,641** TIME: 12:39:43

Input Set : **A:\06275-265001.TXT**
Output Set: **N:\CRF4\03252003\I925641.raw**